

CHUCHENLOV, N.I., kandidat meditsinskikh nauk (Leningrad)

"Condition and function of the remaining kidney" by A.G.Martyniuk.  
Reviewed by N.I.Chuchelov. Urologia 21 no.4:73-74 O-D '56.  
(KIDNEYS--SURGERY) (MLBA 10:2)  
(MARTYNIUK, A.G.)

CHUCHELOV, N.I.

CHUCHELOV, N.I., kandidat meditsinskikh nauk

Treatment of cystitis and pyelitis in pregnancy. Urologia 22 no.3:  
44-47 My-Je '57. (MLRA 10:8)

1. Iz otdeleniya fiziologii i patologii beremennosti (zav. - prof.  
S.M.Bekker) Instituta akusherstva i ginekologii (dir. - prof. P.A.  
Beloshapko) Akademii meditsinskikh nauk SSSR

(PYLOCYSTITIS, in pregn.  
ther.)

(PREGNANCY, compl.  
pyelocystitis, ther.)

CHUCHELOV, N.I., kand.med.nauk (Leningrad)

"Proceedings of the First Republic Conference of Azerbaijan  
Urologists." Urologia 23 no.5:85-86 8-0 '58 (MIRA 11:11)  
(AZERBAIJAN--UROLOGY)

SHAPIRO, I.N., prof.; CHUCHELOV, N.I., kand. med. nauk (Leningrad).

Classification of tuberculosis of the urogenital organs. Urologia  
23 no.6:17-18 N-D '58. (MIRA 11:12)

(TUBERCULOSIS, UROGENITAL  
classif. (Rus))

CHUCHELOV, N.I., kand. med. nauk.

A case of plastic surgery of the tuberculous urinary bladder using an ileal segment. Urologia 24 no.1:62-63 Ja-F '59. (MIRA 12:1)

1. Iz Leningradskogo nauchno-issledovatel'skogo instituta khirurgicheskogo tuberkuleza (dir. - deyствitel'nyy chlen AMN SSSR prof. P. G. Kornev).

(TUBERCULOSIS, UROGNITAL, surg.

bladder, plastic surg. using ileal segment (Rus))

(ILEUM, surg.

ileal segment in plastic surg. in bladder tuberc. (Rus))

CHUCHELOV, N.I.

Renal insufficiency in complicated labor and abortion. Urologia  
25 no. 5:34-37 S-0 '60. (MIRA 14:1)  
(KIDNEYS—DISEASES) (LABOR, COMPLICATED) (ABORTION)

CHUCHELOV, N.I., kand.med.nauk

Tuberculosis of the male genitalia in patients with osteoarticular tuberculosis. Vest.khir. 87 no.11:87-91 N '61. (MIRA 15:11)

1. Iz Leningradskogo instituta khirurgicheskogo tuberkuleza (dir. - prof. P.G. Kornev).

(BONES—TUBERCULOSIS) (JOINTS—TUBERCULOSIS)  
(GENERATIVE ORGANS, MALE—TUBERCULOSIS)

CHUCHELOV, N.I., kand. med. nauk (Leningrad)

Review of B.S.Gekhman's book "Nonspecific epidymitis." Urologia. 29  
no.2:79-80 Mr-Apr '64. (MIRA 18:7)

ZAREMBA, Ye.M.; CHVAMANIYA, A.Ye.; KUVARDINA, N.M.; BELKIN, M.L.; MALYKHINA, A.F.;  
NEPLOTNIK, I.F.; CHUCHENKO, R.I.; MATUSYAK, Ye.I.

Comparative evaluation of various methods of gastric lavage with  
"Yessentuki" No.4 mineral water in chronic gastritis. Sbor. nauch.  
rab. vrach. san.-kur. uchr. profsoyuzov no.1:79-83 '64.

(MIRA 18:10)

L. Yessentukkiy sanatoriy imeni I.P.Pavlova (glavnyy vrach A.Ye.  
Chvamaniya, nauchnyy rukovoditel' kand.med.nauk I.I.Konovalov).

AKSENOV, M., inzh. (Rostov-na-Donu); TOLUBAYEV, P., inzh. (Rostov-na-Donu); RYZHENKO, F., inzh. (Rostov-na-Donu); CHUCHENKO, S., inzh. (Rostov-na-Donu)

Reinforced concrete elements for the repair of buildings.  
Zhil.-kom. khoz. 13 no. 5:18-19. My '63. (MIRA 16:8)

(Precast concrete)  
(Rostov-On-Don—Apartment houses—Maintenance and repair)

CHUCHENKO, Stefan Petrovich; SKRAMTAYEV, B.G., prof., doktor tekhn. nauk, retsenzent; BUTT, Yu.M., prof., doktor tekhn. nauk, retsenzent; BOGDANOV, N.S., prof., doktor tekhn. nauk, retsenzent; SAAK'YAN, Yu.A., red.; BOROVIANSKAYA, L.M., tekhn. red.

[Reinforced concrete without thermal treatment] Zhelezobeton bez teplovoi obrabotki. Rostov-na-Donu, Rostovskoe knizhnoe izd-vo, 1962. 93 p. (MIRA 16:3)

1. Deystvitel'nyy chlen Akademii stroitel'stva i arkhitektury SSSR (for Skramtayev). 2. Moskovskiy khimiko-tekhnologicheskii institut (for Butt).

(Precast concrete)

BAZDIKYAN, I.Kh., inzh. (Rostov-na-Donu); CHUCHENKO, S.P., inzh.  
(Rostov-na-Donu)

Accelerated hardening of concrete in the manufacture of reinforced  
concrete products. Gidr. i mel. 17 no.5:13-17 My '65.

(MIRA 18:7)

CHUCHEV, M.

Agrotechnical requirements of some agricultural machines and equipment.

P. 9

MASHINIZIRANO ZEMEDELIE. Vol. 7, No. 2, Feb. 1956

Sofiya, Bulgaria

So. East European Accessions List

Vol. 5, No. 9

September, 1956

CHUCHEV, M.

The work of our agronomic collective.

P. 5, (Mashiniziranc Zemedelie) Vol. 8, no. 3 Mar. 1957, Sofia, Bulgaria

SO: Monthly Index of East European Accessions (EEAI) Vol. 6, No.11 November 1957

BULGARIA/Cultivated Plants - Grains.

M-2

Abs Jour : Ref Zhur - Biol., No 7, 1958, 29715

Author : Chuchev, M.

Inst : -

Title : The Furrow Planting of Corn.

Orig Pub : Selskostop. mis"1, 1957, 2, No 3, 179-181 (bolg.)

Abstract : The experiments were made at the Machine and Tractor Station in Kolarovgrad for 4 years (1953-1956) with two varieties of corn. The planting of corn in the furrows to a depth of 17 cm yielded a grain increase of 15.8% in comparison with the control's output where the seeds were placed 9 cm deep. With furrow planting the plants had a deeper dark green color with no leaf withering on hot days. In the beginning phases of development they utilized soil moisture better and developed strong root systems to deeper soil layers.

Card 1/1

- 39 -

CHUCHEV, M.

Separate gathering of wheat; experiment made on the cooperative farm in the village of Dibich, Kolarovgrad District in 1956. p.8.  
(MASHINIZIRANO ZEMEDELIE, Vol. 8, no. 5, May 1957, Sofia, Bulgaria.)

SO: Monthly List of East European Accessions (EEAL) LC, Vol. 6, no. 12, December 1957 Uncl.

CHUCHIA, S.; KOEPPE, S.

Research on the influence of various conditions of storing nonperishable sausages and the content of nitrite and nitrate in them. p. 18

GOSPODARKA MIESNA. (Polskie Wydawnictwa Gospodarcze) Warszawa, Poland.  
Vol. 11, no. 7/8, July/Aug. 1959

Monthly List of East European Accessions (KEAI) LC, Vol. 9, no. 1, Jan. 1960

Uncl.

KOLESNIKOV, G.S.; CHUCHIN, A.Ye.

Preparation of polymeric hydroperoxide and study of the kinetics  
of its decomposition. Vysokom.soed. 7 no.10:1753-1757 0 '65.  
(MIRA 18:11)

1. Moskovskiy khimiko-tekhnologicheskii institut imeni D.I.  
Mendeleeva.

I 30994-66 EWT(m)/ETC(f)/EMP(j)/T/ENG(m) RPT. DS/WW/RM  
ACC NR: AP6002471 (A) SOURCE CODE: UR/0191/66/000/001/0006/0008

AUTHORS: Kolesnikov, G. S.; Tevlina, A. S.; Chuchin, A. Ye.; Baraboshkina, I. A.

ORG: none

TITLE: Graft copolymers of styrene-divinylbenzene-polyarylene ethyl and styrene-divinylbenzene-polyarylene ethyl hydroperoxide

SOURCE: Plasticheskiye massy, no. 1, 1966, 6-8

TOPIC TAGS: graft copolymer, chain reaction, polymerization, polymer, polymer chemistry, polystyrene

ABSTRACT: Graft copolymerization styrene-divinylbenzene-polyaryl-ethyl and styrene-divinylbenzene-polyarylethyl hydroperoxide were studied to investigate the possibility of synthesizing large-pore sulfo-cation-exchangers on the basis of three-dimensional graft-copolymers. The copolymers were synthesized by two methods: 1) by grafting styrene to a polymeric hydroperoxide as described by the authors (Vysokomolek, soyed., 7, 10, 1753, 1965), and 2) by chain transfer via the mobile hydrogen atom of polyarylene ethyl in the presence of a free radical initiator. The degree of swelling in benzene solution, the molecular weight distribution, the ion absorption capacity, and the amount of hydroperoxide in the synthesized polymers were determined. The experimental results are presented in graphs and tables (see Fig. 1). It was found that the synthesized sulfo-cation-exchangers were able to

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UDC: 678.746.22-134.6

Card 2/2 IC

L 17723-66 EWP(j)/EWT(m)/T EM/WW

ACG NR: AP6003427

(A)

SOURCE CODE: UR/0190/66/008/001/0153/0156

AUTHORS: Kolesnikov, G. S.; Chuchin, A. Ye.; Boyev, B. I. 44ORG: Moscow Chemical-Technological Institute im. D. I. Mendeleev (Moskovskiy khimiko-tehnologicheskii institut)TITLE: Copolymerization of 1,2-dichloroethane<sup>1,4,55</sup> with cumene<sup>1</sup> and dibenzyl<sup>1</sup>

SOURCE: Vysokomolekulyarnyye soyedineniya, v. 8, no. 1, 1966, 153-156

TOPIC TAGS: polycondensation, copolymerization, viscosimeter, molecular weight, polymer, ethane

ABSTRACT: Process of copolycondensation of dichloroethane (I) with cumene (II) and dibenzyl (III) in the presence of aluminum chloride (IV), and the effect of the ratio of the components upon molecular weight and yield of the polymer were investigated. The method of polycondensation was described by G. S. Kolesnikov and A. Ye. Chuchin in an earlier report (Vysokomolek. soyed., 7, 1753, 1965). Molecular weights of the polyarylenethyils were determined viscosimetrically using a modification of the Staudinger-Mark equation,  $[\eta] = 17 \times 10^{-4} M^{0.429}$ . In the first series of experiments the amounts of II and III were varied, maintaining their molar ratio 1:1, with the amounts of I and IV, the temperature,

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UDC: 541.64+678.746 2

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ACC NR: AP6003427

and the reaction time constant. It was established that change in the ratio of aromatic hydrocarbons (II and III) and I has a significant effect upon the molecular weight and yield of the product. The second series of experiments, in which only the molar ratio of II and III was varied, showed that increased content of III resulted in the increased molecular weight of the product, the maximal value obtained with complete displacement of II by III. Orig. art. has: 2 tables, 1 figure, and 1 structure.

SUB CODE: 07/ SUBM DATE: 05Mar65/ ORIG REF: 005/ OTH REF: 002

Card 2/2 nst

I 10423-67 EWT(m) DS/RM  
ACC NR: AP6029913 (A) SOURCE CODE: UR/0413/66/000/015/0087/0087 32  
AUTHORS: Kolesnikov, G. S.; Chuchin, A. Ye.; Tevlina, A. S.; Yushmanova, V. A.  
ORG: none  
TITLE: A method for obtaining a porous sulfocationite. Class 39, No. 184434  
announced by Moscow Institute of Chemical Technology im. D. I. Mendeleev (Moskovskiy khimiko-tekhnologicheskii institut)  
SOURCE: Izobret prom obraz tov zn, no. 15, 1966, 87  
TOPIC TAGS: copolymerization, styrol , sulfuric acid, ion  
ABSTRACT: This Author Certificate presents a method for obtaining a porous sulfo-  
cationite by the copolymerization of styrol and divinyl benzine. The copolymer so  
obtained is then sulfurized with sulfuric acid. To increase the sorptional ability  
of the cationite to large organic ions, a polymer hydroperoxide from polyarylenealkyl  
is introduced into the copolymerization reaction.  
SUB CODE: 11, 07/ SUBM DATE: 01Dec64  
Card 1/1 UDC: 661.183.123.2:678.746.22-136.622:66.094.524.5

CHUCHIN E. ; Andrejev, B.

Automatic line for machining of wrist-watch cases. Tr. from the Russian. p. 238.

JEMNA MECHANIKA A OPTIKA. (Ministerstvo vseobecniho strojirenstvi) Praha,  
Czechoslovakia.  
Vol. 4, no. 7, July 1959.

Monthly List of East European Accessions (EEAI) LC Vol. 8, no. 11, Nov. 1959  
Uncl.

CHUCHIN, Ye. F.

25(1)

PHASE I BOOK EXPLOITATION

SOV/1349

Virabov, Ruben Vagarshakovich and Yevgeniy Fedorovich Chuchin

Frezerovaniye fasonnykh vyyemok i nadpisey na poluavtomatakh  
(Contour Milling of Cavities and Inscriptions With Semiautomatic  
Machines) Moscow, Oborongiz, 1958. 138 p. 3,000 copies printed.

Reviewer: Neklyudov, G.I., Docent; Eds.: Rozenblit, Ya. M., Engineer  
and Serebrenik, M.Ye.; Tech. Ed.: Pukhlikova, N.A.; Managing  
Ed.: Sokolov, A.I., Engineer.

PURPOSE: This book is intended for process engineers and designers  
in the instrument and watchmaking industry.

COVERAGE: This book describes semiautomatic contour milling machines  
used in instrument making and in the watch industry. Problems of  
designing and making special tooling is described in detail.  
Chapter III is devoted to the method of designing and manufactur-  
ing precision contour cams on special machines. Chapter IV dis-  
cusses special attachments and machines for making these cams.

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Contour Milling of Cavities (Cont.)

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Contour Milling of Cavities (Cont.)

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1. Cams and methods of designing them	27
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Contour Milling of Cavities (Cont.)

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Ch. IV. Attachments and Machines for Making Cams	83
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AVAILABLE: Library of Congress

GO/atr  
3-4-59

Card 4/4

AUTHORS: Andreyev, B.S., Chuchin, Ye.F. 119-58-5-6/11

TITLE: Automatic Production Line for Working on Wrist Watch Cases  
(Avtomaticheskaya liniya dlya obrabotki korpusov naruchnykh chasov)

PERIODICAL: Priborostroyeniye, 1958, Nr 5, pp. 18-21 (USSR)

ABSTRACT: An automatic line put into operation in September 1956 in the watchmaking factory Nr 2 at Moscow was developed by constructors of the factory itself. The following 10 instruments are used in this automatic system for the 10 working operations in order to produce the case ring for the wristwatch "Pobeda":

1.) Profile cutter	6.) Rasp for removal of the seam
2.) Reamer	7.) Drill
3.) Profile cutter	8.) Drill
4.) Profile cutter	9.) Drill
5.) Profile cutter	10.) Drill

The distance between the individual sections amounts to 4.70 mm. Additional organs are provided for the removal of shavings. This automatic system has been working with great stability since a long time. The following figures may serve as a

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Automatic Production Line for Working on  
Wrist Watch Cases

119-58-5-6/11

characteristic of the operational efficiency of the line:  
Whereas formerly 47.24 hours were needed for working on the 1000  
parts, this period has been reduced to 5.4 hours since intro-  
duction of the automatic system. Besides, 30 qualified workmen  
became available for other jobs and a working space of 60 m<sup>2</sup>  
was saved. A rough estimate shows that this automatic line saves  
an amount of 420,000 rubles per annum. There are 2 tables.

AVAILABLE: Library of Congress

1. Industry—USSR 2. Industrial production—Automation

Card 2/2

CHUCHINA, M.K., inzh.; SULIMA, N.T., inzh.; LOPATIN, V.F., inzh.; CHERKASOV,  
V.G., inzh.

Commentary on the article by Engineer E.V.Liul'ko "Regulating the  
computation and payment of general mine expenses in mining."  
Shakht.stroi. 5 no.4:28-30 Ap '61. (MIRA 14:5)

1. Trest Makeyevshakhtostroy (for Sulima). 2. Institut Kuzbassgipro-  
shakht (for Lopatin). 3. Ukrainskiy nauchno-issledovatel'skiy institut  
organizatsii i mekhanizatsii shakhtnogo stroitel'stva (for Cherkasov).  
(Mining industry and finance)  
(Liul'ko, E.V.)

BRAYNES, S. N.; VISHNEVSKIY, A. A.; SHRAYBER, M. I.; PANOVA, Yu. M.;  
BRAYLOVSKIY, B. L.; CHUCHINA, Ye. V.

"A cybernetic assessment of the general condition and prognosis of  
burns."

Report to be submitted for the 3rd International Congress of Cybernetic  
Medicine (International Society of Cybernetic Medicine) Naples, Italy,  
21-24 Mar 64.

CHUCHKALOV, A.; KOPOSOV, N.; PERFIL'YEV, N.; MAKAROV, V.; GUBANOV, A.;  
YEGOROV, L.; CHUZHMIR, A., aspirant

Creative initiative of the masses and the establishment of norms.  
Sots. trud 8 no.9:87-97 S '63. (MIRA 16:10)

1. Starshiy instruktor otdela proizvodstvennoy raboty i zarabotnoy platy Altayskogo promyshlennogo krayevogo soveta professional'nykh soyuzov (for Chuchkalov).
2. Nachal'nik byuro tekhnicheskoy informatsii Leningradskogo vagonostroitel'nogo zavoda im. I.Ye.Yegorova (for Kopusov).
3. Zamestitel' nachal'nika otdela organizatsii truda Cherepovetskogo metallurgicheskogo zavoda (for Perfil'yev).
4. Nachal'nik otdela truda i zarabotnoy platy Lyublinskogo liteyno-mekhanicheskogo zavoda (for Makarov).
5. Starshiy inzh. Lyublinskogo liteyno-mekhanicheskogo zavoda (for Gubanov).
6. Starshiy inzh. otdela truda i zarabotnoy platy Ural'skogo turbomotornogo zavoda (for Yegorov).
7. Ural'skiy universitet (for Chuzhmir).

CHUCHKALOV, B.S.

Preliminary information on research done by the Pamir expedition  
under the program of the International Geophysical Year. Inform. sber.  
o rab. Geog. fak. Mosk. gos un po Mezhdunar. geofiz. gedu no.1:209-216  
'58. (MIRA 12:3)  
(Pamirs--Meteorology--Observations)

**Kollezion**

\*Collection of Information on Work Done by the Geography Dept. of Moscow University for  
the International Geophysical Year, No. 1.

CHUCHKALOV, B.S.

Features of the tropopause above the eastern Pamirs in the  
summer. Trudy TSIP no. 118:22-33 '62. (MIRA 16:4)  
(Pamirs--Atmosphere)

CHUCHKALOV, B.S.

Causes for the movement of the Medvezhiy Glacier. Meteor.i.gidrol.  
no.9:46-48 S '63. (MIRA 16:10)

1. Tsentral'nyy institut prognozov.

CHUCHKALOV, B.S.

Medvezhiy glacier. Priroda 52 no.9:108-111 '63. (MIRA 16:11)

1. Tsentral'nyy institut prognozov, Moskva.

L 24665-65 ENT(1)/FCC GW  
ACCESSION NR: AT4049313

S/2546/64/000/136/0089/0100

AUTHOR: Chuchkalov, B.S.

TITLE: Distribution of the height of the upper cloud boundary along the Tashkent-Delhi Airline route during the summer

SOURCE: Moscow. Tsentral'ny'y institut prognozov. Trudy\*, no. 136, 1964. Voprosy\* obrazovaniya i prognoza oblakov i tumanov (Problems in the formation and forecasting of clouds and fogs), 89-100

TOPIC TAGS: upper cloud boundary, dust haze, cloud cover

ABSTRACT: Based on visual observations along the Tashkent-Delhi airline route, the summer distributions of the height of the upper cloud boundary and the height of dust haze were obtained for the July-September period in 1960-62. The overall cloud cover along the route, which was divided into 15 sections, increased from Tashkent to Delhi. The distribution of the height of the upper cloud boundary is given in tabular form without consideration of cloud type. It was found that flights over the Himalayas and mountainous regions of Tibet are safest during the early morning hours. The dust haze is mainly caused by enormous masses of dust and sand rising into the atmosphere from the Takla-Makan desert to a height of 5-7 km. Above Tibet the dust haze, originating from local dust and by advection

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L 24655-65

ACCESSION NR: AT4049313

from desert regions, rises to 2-3 km. The haze above north India is seen primarily during spring and reaches an altitude of 7 km. Here aircraft visibility dropped to several hundred meters on one occasion. Clouds were present in at least 80% of the cases south of the Takla-Makan desert and east of the Yarkend River. Clouds were almost always observed above Southern Tibet, the Himalayas, and north India. The conditions for cloud formation differed for different regions. The upper boundary of convective and cirrus clouds rarely exceeded 10 km in the northwest section of the route. In the southern section, the upper boundary of the same type clouds was often above 13-14 km. Flight safety above the mountainous regions of Tibet and the Himalayas depends on the proper selection of flight time, when the development of convective clouds is at a minimum. Orig. art. has: 2 tables and 4 figures.

ASSOCIATION: Tsentral'nyy institut prognozov, Moscow (Central Institute of Forecasts)

SUBMITTED: 00

ENCL: 00

SUB CODE: ES

NO REF SOVR: 008

OTHER: 004

Card 2/2

MASLOV, V.; CHUCHKALOV, I.

~~When they tackle work dynamically.~~ Okhr. truda i sots. strakh.  
no.4:57-59 Ap '59. (MIRA 12:8)

1. Tekhnicheskiye inspektora Altayskogo kraysovprofa.  
(Altai Territory--Industrial hygiene)

CHUCHKALOV, N., gvardii polkovnik.

Coordinated action of infantry and tanks; a review of the military  
press of the United States. Voen.vest.36 no.1:74-79 Ja '57.  
(United States--Army) (MLBA 10:2)  
(Infantry drill and tactics) (Tanks (Military science))

**CHUCHKALOV, V.P., kandidat meditsinskikh nauk**

**Sulfonamide therapy of angiocholecystitis. Sov.med. 19 no.6:32-35  
Je '55. (MLRA 8:9)**

**1. Iz kafedry propedevticheskoy i gosspital'noy terapii (sav.-  
deystvitel'nyy chlen Akademii meditsinskikh nauk SSSR prof. Ye. M.  
Tareyev) sanitarno-gigiyenicheskogo fakul'teta I Moskovskogo ordena  
Lenina meditsinskogo instituta.**

**(CHOLECYSTITIS, therapy,  
sulfonamides, angiocholecystitis)**

**(BILE DUCTS, diseases,  
angiocholecystitis, ther.sulfonamides)**

**(SULFONAMIDES, therapeutic use,  
angiocholecystitis)**

CHUCHKALOV, V.P.

Case of death from acute alcohol poisoning. Trudy Inst. im.  
N.V. Sklif. 5 no.2:206-208 '62. (MIRA 18:6)

CHUCHKALOV, V.P., kand. med. nauk.

Treatment of massive edema with drainage tubes. Sov. med. 21 no.7:  
122-125 J1 '57. (MIRA 12:3)

1. Iz fakul'tetskoy terapevticheskoy kliniki (zav. - Prof. M.M.  
Tumanovskiy) Voronezhskogo meditsinskogo instituta.

(EDEMA, ther.

drainage tubes in massive edema (Rus))

(DRAINAGE, in var. dis.

edema (Rus))

SUKHININ, P.L., prof., CHUCHKALOV, V.P., kand.med.nauk

Use of aminazine in a therapeutic clinic. Sov.med. 22 no.10:  
100-102 0 '58 (MIRA 11:11)

1. Iz terapevticheskoy kliniki (nauchnyy rukovoditel' prof.  
P.L. Sukhinin) Instituta imeni N.V. Sklifosovskogo (dir. M.M.  
Tarasov).

(CHLORPROMAZINE, ther. use  
in internal dis. (Rus))

AFANAS'YEVA, A.P.; ZAKARYAN, L.M.; CHUCHKALOVA, N.N.; GORODINSKAYA, A.L.;  
SHTEYNLEKHNER, N.P.

Etiological structure of intestinal infections in small children.  
Pediatria 42 no.5:57-63 My'63 (MIRA 16:11)

1. Iz kafedry mikrobiologii (zav. - prof. A.P.Afanas'yeva) Rya-  
zanskogo meditsinskogo instituta, Pervoy gorodskoy bol'nitsy  
(glavnyy vrach - zasluzhennyy vrach RSFSR N.N.Pavlova) i labo-  
ratorii oblastnoy sanitarno-epidemiologicheskoy stantsii (zav.  
G.V. Dorozhkin).

PETROV, K.A.; GAVRILOVA, A.I.; NAM, V.M.; CHUCHKANOVA, V.P.

Phosphorus-containing analogs of choline and acetylcholine.  
Part 1: Phosphorocholines and acetylphosphorocholines.  
Zhur.ob.khim. 32 no.11:3711-3716 N '62. (MIRA 15:11)  
(Choline)  
(Phosphonium compounds)

CHUCHKIN, A.V., zasluzhenny vrach RSFSR.

Control of the principal communicable diseases during the past  
40 years; a short review. Sov.med. 21 no.11:10-15 N '57 (MIRA 11:3)

1. Glavnyy vrach infektsionnoy bol'nitsy 4-go Glavnogo upravleniya  
pri Ministerstve zdavookhraneniya SSSR.  
(COMMUNICABLE DISEASES, prev. and control in Russia)

CHUCHKIN, A.V. zslushennyy vrach RSFSR

Organization of nursing in a hospital for communicable diseases.  
Med.sestra 17 no.9:13-18 S '58 (MIRA 11:10)

1. Infektsionnaya bol'nitsa Ministerstva zdravookhraneniya SSSR,  
Moskva.

(NURSES AND NURSING)



1ST AND 2ND SERIES

3RD AND 4TH SERIES

CHUENKIN, G. V.

2 A

PROCESSES AND PROPERTIES INDEX

Use of alkali linings on chemical industrial apparatus.  
 G. V. Chuenkin, *Korrasia i Berba*, No. 3-4, 85-  
 90(1950).--App. of iron 4-6 mm. thick was painted on the  
 inside with an acidproof cement mixed with water glass  
 of 37-38% H<sub>2</sub>O and Na<sub>2</sub>O ratio of 2.8. The 1-mm.  
 layer was dried for 1-2 hrs. at 25-35°, and a 1-1.5-mm.  
 layer of plaster of the same cement as the cement applied  
 layer was dried for 2-3 hrs. These alternating coats were re-  
 peated until the desired thickness was reached; then a  
 layer of special "Metlach" acidproof plates was laid on  
 top of the paint, and cemented together with the above  
 combination of acidproof cement and water-glass soln.  
 After 3 days at 25-30° the whole was repeated, the lining  
 allowed to dry and harden at 25-35° for 5-6 days, then  
 moistened with a 30-40% H<sub>2</sub>SO<sub>4</sub> soln., or the app. was  
 filled with the acid and let stand for 2-3 days. The app. was  
 then ready for use. This lining is recommended for all  
 heavy-chemical industry. C. S. Shapiro

1

ASS-51A METALLURGICAL LITERATURE CLASSIFICATION

1ST AND 2ND LETTERS

3RD AND 4TH LETTERS

5TH AND 6TH LETTERS

7TH AND 8TH LETTERS

9TH AND 10TH LETTERS

11TH AND 12TH LETTERS

13TH AND 14TH LETTERS

15TH AND 16TH LETTERS

17TH AND 18TH LETTERS

19TH AND 20TH LETTERS

21ST AND 22ND LETTERS

23RD AND 24TH LETTERS

25TH AND 26TH LETTERS

27TH AND 28TH LETTERS

29TH AND 30TH LETTERS

31ST AND 32ND LETTERS

33RD AND 34TH LETTERS

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39TH AND 40TH LETTERS

41ST AND 42ND LETTERS

43RD AND 44TH LETTERS

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47TH AND 48TH LETTERS

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51ST AND 52ND LETTERS

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71ST AND 72ND LETTERS

73RD AND 74TH LETTERS

75TH AND 76TH LETTERS

77TH AND 78TH LETTERS

79TH AND 80TH LETTERS

81ST AND 82ND LETTERS

83RD AND 84TH LETTERS

85TH AND 86TH LETTERS

87TH AND 88TH LETTERS

89TH AND 90TH LETTERS

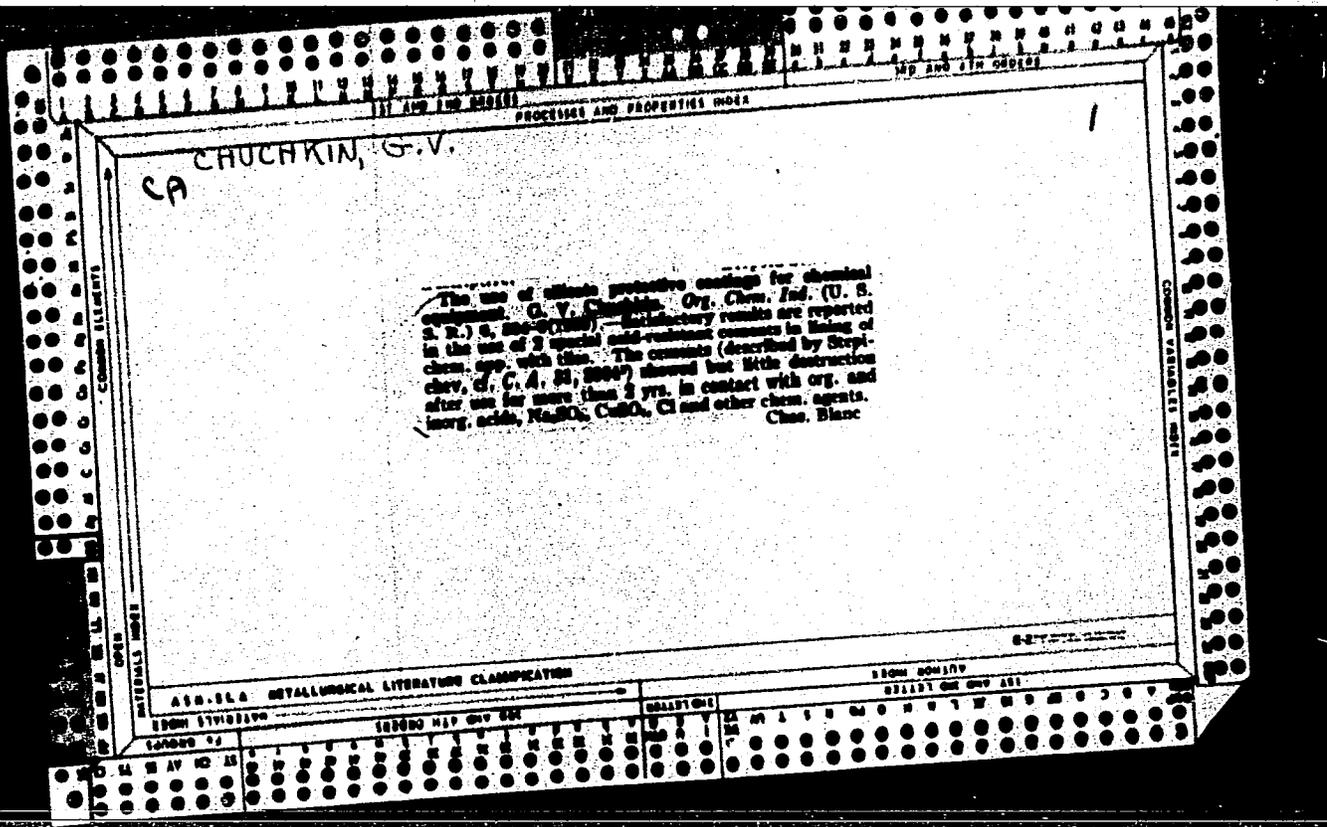
91ST AND 92ND LETTERS

93RD AND 94TH LETTERS

95TH AND 96TH LETTERS

97TH AND 98TH LETTERS

99TH AND 100TH LETTERS



STARTSEV, V.I.; ~~OMICHKIN, G.V.~~

Conference for the study of scintillators. Khim. nauka i prom. 3  
no.4:528 '58. (MIRA 11:10)

(Phosphors)

PLASTIC BOOK ESTIMATION 507/594

Andersson, Gunnar. Inherent viscosity determination. *Andersson's Polytechnic Review* (The Chemical Industry of the USSR) Moscow, Gostkhimizdat, 1959. 457 p. Keros slip inserted. 4,100 copies printed.

Spencer, Agnes. USSR. Condensate recovery methods. *Chemical Engineering* London, 1959. 1 p. Keros slip inserted. 4,100 copies printed.

U.S. Dept. of Commerce. Bureau of Economic Warfare. *Chemical Warfare: A Handbook for the Chemical Industry of the USSR*. Washington, D.C., 1959. 1 p. Keros slip inserted. 4,100 copies printed.

**OVERVIEW:** This book contains 18 articles on various aspects of the Soviet chemical industry. Among the developments in the production of new materials for the manufacture of chemical products discussed are: 1) The use of new materials synthesized from natural gas and petroleum products; 2) The production of acrylonitrile, styrene-butadiene copolymers, and other products from natural gas and petroleum products; 3) The production of ethylene oxide, ethylene glycol, and other products from ethylene; 4) The production of acrylonitrile, styrene-butadiene copolymers, and other products from acrylonitrile and styrene; 5) The production of acrylonitrile, styrene-butadiene copolymers, and other products from acrylonitrile and styrene; 6) The production of acrylonitrile, styrene-butadiene copolymers, and other products from acrylonitrile and styrene; 7) The production of acrylonitrile, styrene-butadiene copolymers, and other products from acrylonitrile and styrene; 8) The production of acrylonitrile, styrene-butadiene copolymers, and other products from acrylonitrile and styrene; 9) The production of acrylonitrile, styrene-butadiene copolymers, and other products from acrylonitrile and styrene; 10) The production of acrylonitrile, styrene-butadiene copolymers, and other products from acrylonitrile and styrene; 11) The production of acrylonitrile, styrene-butadiene copolymers, and other products from acrylonitrile and styrene; 12) The production of acrylonitrile, styrene-butadiene copolymers, and other products from acrylonitrile and styrene; 13) The production of acrylonitrile, styrene-butadiene copolymers, and other products from acrylonitrile and styrene; 14) The production of acrylonitrile, styrene-butadiene copolymers, and other products from acrylonitrile and styrene; 15) The production of acrylonitrile, styrene-butadiene copolymers, and other products from acrylonitrile and styrene; 16) The production of acrylonitrile, styrene-butadiene copolymers, and other products from acrylonitrile and styrene; 17) The production of acrylonitrile, styrene-butadiene copolymers, and other products from acrylonitrile and styrene; 18) The production of acrylonitrile, styrene-butadiene copolymers, and other products from acrylonitrile and styrene.

along with methods of manufacturing plastic articles. A special apparatus is described for the production of "VA" which permits the use of conventional equipment with great savings in space. Conventional methods of synthesis of rubber production are also discussed. A historical survey of synthetic rubber production and the development of outstanding plants in this field are given as well as names, locations and products of rubber plants. Rubber production and outstanding personalities in the development of the industry are discussed. The production of rubber goods in the daily review. Synthetic rubber and its uses, chemical fertilizers, insecticides and pesticides, chemical reagents industries are given. Analytical processes and methods of analysis used in the chemical industry are also discussed. Many photographs included in the book show outside views of plants and buildings, laboratory equipment, as well as personnel and facilities are identified in the body of the text.

Yul'evich, S.I., A.M. Dobrynskiy (approved), and K.A. Shulin. The Production of Mineral Fertilizers and Fixed Nitrogen 296  
D'Yakov, I. B. The Chemical Mining Industry 302  
Muller, E.K. Sulfuric Acid Production 304  
Bogdanovskiy, E.M. The Soda Industry 305  
Baklanov, L.K. The Chlorine Industry 311  
Bogdanov, G.M. The Production of Mineral Salts 315  
Gibson, R.L., V.O. Breda, and G.V. Chudobin. Chemical Reagents and Laboratory Apparatus 345  
Kobayashi, T., Y. Kobayashi, I.P. Yul'evich, and R.L. Gibson. The Production of Insecticides and Pesticides: A New Branch of Chemical Technology 361

GLOBUS, R.L.; OMUCHKIN, G.V.

Status and prospects for the development of the chemical reagent  
industry. Zav.lab. no.4:395-400 '60. (MIRA 13:6)  
(Chemical tests and reagents)

ACCESSION NR: AT4037717.

S/2065/64/003/000/0477/0486

AUTHOR: Chuchkin, V. G.; Rozhdestvenskiy, V. I.

TITLE: An automatic device for study of the dependence of photosynthesis in higher plants on mineral nutrients

SOURCE: AN SSSR. Otdeleniye biologicheskikh nauk. Problemy kosmicheskoy biologii, v. 3, 1964, 477-486

TOPIC TAGS: plant nutrition, photosynthesis, mineral fertilizer, automation, closed ecological system, manned space flight

ABSTRACT: An automatic device to be used in studies of effects of nutrient solutions and their ingredients on the rate of photosynthesis in higher plants is described. During laboratory tests the device was programmed for measurements of potassium-ion concentration in a solution and could maintain a desired ionic concentration at a predetermined level. Concurrently, the CO<sub>2</sub> concentration in the atmosphere was measured, making it possible to estimate the rate of photosynthesis. Diagrams of the various components used in this study as well as the numerical data obtained during experiments are also included.

Card 1/2

ACCESSION NR: AT4037717

ASSOCIATION: none

SUBMITTED: 00

ENCL: 00

SUB CODE: LS

NO-REF SOV: 006

OTHER: 003

Card 2/2

L 38265-65 EWT(1)/EPR/EWA(m)-2/EWA(h) Ps-4/Peб III

ACCESSION NR: AP5007450

S/0286/65/000/004/0072/0073

AUTHORS: Sterlikov, V. P.; Roy, E. V.; Chuchkin, V. G.; Rozhdestvenskiy, V. I.

TITLE: Thermal flowmeter for small flow rates of liquid. Class 42, No. 168484

SOURCE: Byulleten' izobretaniy i tovarnykh znakov, no. 4, 1965, 72-73

TOPIC TAGS: liquid flowmeter

ABSTRACT: This Author Certificate presents a thermal flowmeter for small flow rates of liquid. The device contains a thermocouple with two junctions as the sensing element, a measuring tube passing through the two-chambered case of a thermostated detector, and two thermostats maintaining a temperature drop between the detector chambers. To increase the accuracy of measurement, the thermocouple is placed along the axis of the measuring tube. Both junctions are placed in one detector chamber (see Fig. 1 on the Enclosure). To increase the sensitivity of the device by creating an equilibrium temperature field in the region of the detector case, it is provided with additional chambers inside of which are mounted perforated tubes. Orig. art. has: 1 diagram.

ASSOCIATION: none

SUBMITTED: 29Nov63

NO REF SOV: 000

Card 1/2

ENCL. 01  
OTHER: 000

SUB CODE: IE, ME

LEBEDEV, G.V.; CHUCHKIN, V.G.; SABININA, Ya.D.; BRYUKVIN, V.G.

Apparatus for continuous recording of water absorption by plants.  
Fiziol. rast. 11 no.6:1110-1114 N-D '64.

(MIRA 18:2)

1. Timiriazev Institute of Plant Physiology, U.S.S.R. Academy of  
Sciences, Moscow.

~~L 14257-66 EWT(1)/FS(v)-3 SCTB DD/RD~~

ACC NR: AT6003905

SOURCE CODE: UR/2865/65/004/000/0658/0669

AUTHOR: Rozhdestvenskiy, V. I.; Chuchkin, V. G.

ORG: none

71  
B+1

TITLE: Sensors for automatic monitoring of the regulation of physiological processes of plants in closed systems

SOURCE: AN SSSR. Otdeleniye biologicheskikh nauk. Problemy kosmicheskoy biologii, v. 4, 1965, 658-669

TOPIC TAGS: closed ecology system, photosynthesis, plant physiology, plant growth, automatic control system, carbon dioxide, life support system

ABSTRACT: In future extended spaceflights, higher plants will constitute links in closed life-support systems. To control the rate (intensity) of plant physio-logical processes, devices must be developed to indicate and record the

3, 44

intensity of absorption and generation of CO<sub>2</sub>, O<sub>2</sub>, H<sub>2</sub>O, and various mineral elements included in plant nutrition. The authors propose systems designed to accomplish these tasks, as shown in Figure 1. Equations are given to determine CO<sub>2</sub> and air inflow and outflow, photosynthetic intensity, CO<sub>2</sub> concentration, and change in CO<sub>2</sub> content in the growing chamber.

Card 1/8

L 14257-66

ACC NR: AT6003905

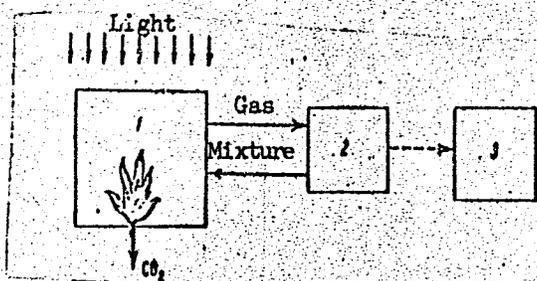


Fig. 1. System for measuring CO<sub>2</sub> concentration for calculating the intensity of photosynthesis in a closed chamber

1 - Plant chamber; 2 - gas analyzer; 3 - recorder.

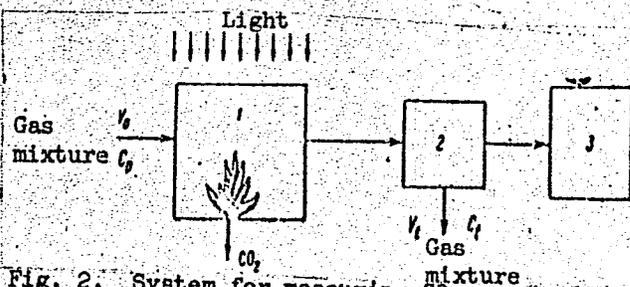


Fig. 2. System for measuring CO<sub>2</sub> concentration to calculate the photosynthetic intensity of plants in a chamber with air flow.  
1 - Plant chamber; 2 - gas analyzer; 3 - recorder

Card 2/3

L 11257-66

ACC NR: AT6003905

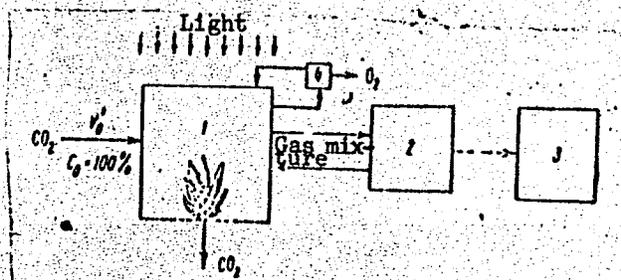


Fig. 3. System for measuring CO<sub>2</sub> concentration for calculating the photosynthetic intensity of plants when CO<sub>2</sub> concentration is controlled

1 - Plant chamber; 2 - gas analyzer; 3 - recorder; 4 - device for removing excess O<sub>2</sub>.

Card 3/8

L 11257-66

ACC NR: AT6003905

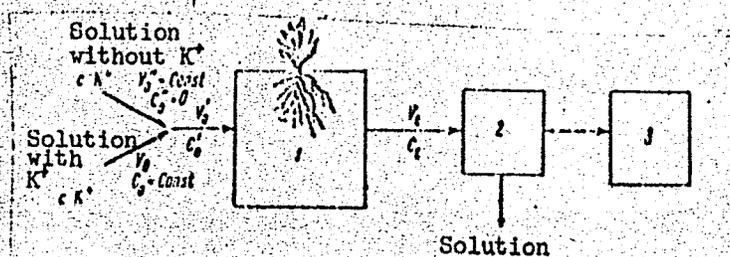


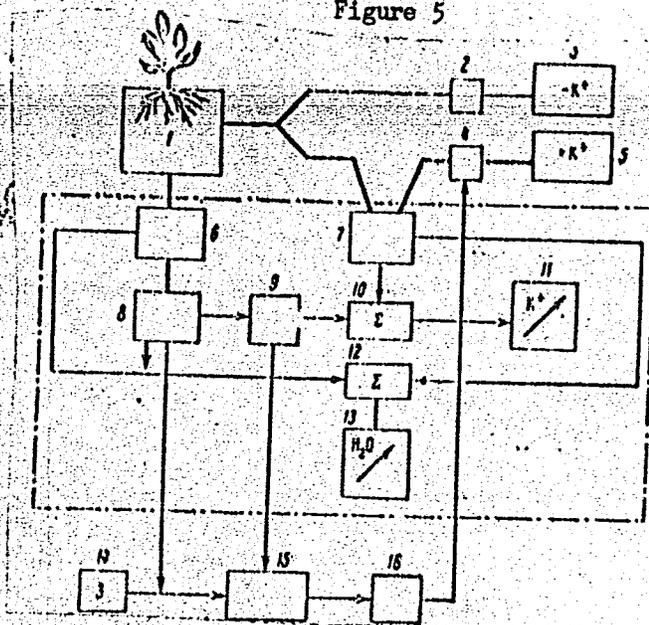
Fig. 4. System for measuring  $K^+$  ion concentration in the nutrient solution for calculating the absorption intensity of this ion by plants

- 1 - Root system; 2 - flame spectrophotometer;
- 3 - recorder of changes in  $K^+$  concentration in the solution,

Card 4/8

L 14257-66  
ACC NR: AT6003905

Figure 5



Card 5/8

L 14257-66

ACC NR: AT6003905

Fig. 5. System for automatic regulation of potassium concentration in the nutrient solution with simultaneous recording of the absorption intensity of this ion and water by the plant

1 - Root system; 2, 4 - solution pumps; 3 - solution without  $K^+$ ; 5 - solution with  $K^+$ ; 6, 7 - flow waters; 8 - flame spectrophotometer; 9 - functional converter; 10, 12 - summators; 11 - recorder of  $K^+$  absorption; 13 - recorder of water absorption; 14 - potassium controller; 15 - regulator; 16 - actuating mechanism.

Card 6/8

L 14257-66

ACC NR: AT6003905

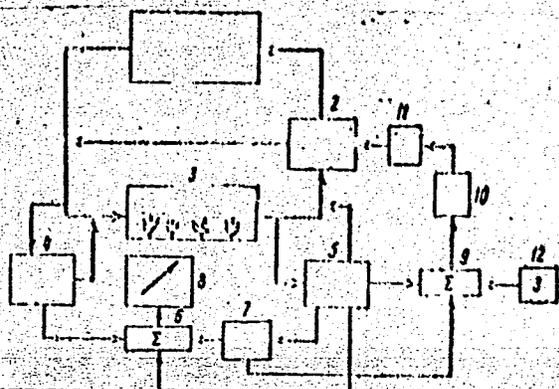


Fig. 6. System for automatically regulating photosynthetic intensity in a complete closed system

1 - Man; 2 - CO<sub>2</sub> concentrator; 3 - greenhouse; 4, 5 - gas analyzers; 6, 9 - summators; 7 - functional converter; 8 - photosynthetic intensity recorder; 10 - regulator; 11 - actuating mechanism; 12 - program controller.

Card 7/8

L 14257-66

ACC NR: AT6003905

Orig. art. has: 7 figures and 16 formulas. [ATD PRESS: 4091-F]

SUB CODE: 06 / SUBM DATE: none / ORIG REF: OLO

TS  
Card 8/8

ROZHDESTVENSKIY, V.I.; CHUCHKIN, V.G.; KLESHNIN, A.F.

Automatic maintenance of a stationary CO<sub>2</sub> concentration in  
photosynthetic chambers. Fiziol.rast. 12 no.1:178-181 Ja-F  
'65. (MIRA 18:3)

1. Institut fiziologii rasteniy imeni Timiryazeva AN SSSR, Moskva.

CHUCHKINA, YE. A.

PA 161T78

USSR/Medicine - Paratyphoid  
Vaccines

Jun 50

"Use of Formol Vaccine in Controlling Paratyphoid of Young Pigs," Ye. A. Chuchkina, 1½ pp

"Veterinariya" No 6

Discusses results of tests made at a number of farms in 1948-49, using subject vaccine developed by M. M. Ivanov, Laureate of Stalin Prize, Cand Vet Sci. Finds vaccine very effective preparation resulting in complete elimination of disease when used in conjunction with sanitary measures. Includes table of data.

161T78

NABOYCHENKO, S.S.; CHUCHMAREV, S.K.; SMIRNOV, V.I.

Thermodynamic analysis of processes of the autoclave reduction of metals from solutions. Izv. vys. ucheb. zav.; tsvet. met. 8 no.4:48-53 '65. (MIRA 18:9)

1. Kafedra metallurgii tyazhelykh tsvetnykh metallov Ural'skogo politekhnicheskogo instituta.

CHUCHKO, Grigoriy Petrovich

(Kherson Agricultural Inst), Academic degree of Doctor of Agricultural Sciences, based on his defense, 28 December 1954, in the Council of the Khar'kov Veterinary Inst, of his dissertation entitled: "Productivity and biological characteristics of the "Mangalits" hogs and their cross-breeds in the UkSSR."

Academic degree and/or title: Doctor of <sup>Agricultural</sup> Sciences

SO: Decisions of VAK, List no. 17, 9 Jul 55, Byulleten' MVO SSR, No. 17, Sept 56, Moscow, pp 9-16, Uncl. JPRS/NI-435

USSR/Farm Animals - Swine

Q-5

Abs Jour : *Rof Zhur - Biol.*, No 6, 1958, No 26225

Author : Chuchko G.P., Morozov A.A.

Inst : ~~Not Given~~

Title : Fattening of Swine with a Preparatory Period (Otkorm svinoy s podgotovitel'nyy periodom)

Orig Pub : *Svinovodstvo*, 1957, No 3, 11-15

Abstract : The experiments demonstrated that feeding young pigs 3-6 months old with silage of corncobs and other bulky feeds, up to 60% of the nutritiousness of the ration, sharply reduces the expense of concentrate feeds and contributes to the development of the digestive organs. The silage of corncobs of good quality is eaten willingly by young pigs 3-6 months old to the extent of 2-2.5 kg. daily. From 6 months on, it is expedient to effect the intensive fattening of swine by concentrate foods in which coarsely ground corn may constitute 75-80% of the food value. The increase of the digestible

Card : 1/2

USSR/Farm Animals - Swine

Q-5

Abs Jour : Ref Zhur - Biol., No 6, 1958, No 26225

protein up to 115-125 g. per 1 food unit at the age of 3-5 months, and up to 95-100 g. at the age of 5-7 months, guarantees large weight gains and is profitable economically.

Card : 2/2

49

USSR/Farm Animals. The Swine

Abs Jour : Ref Zhur - Biol., No 11, 1958, No 50055

Author : <sup>P</sup>Chuchko, G., Morozova A.

Inst :

Title : The Effectiveness of Fattening Swine with Corn.

Orig Pub : Mysnaya industriya SSSR, 1957, No 3, 42-44

Abstract : Basing themselves upon results which were obtained on several farms in experimental fattening of young sows by using varied corn content rations, the authors came to the conclusion that corn waste may comprise 75-80 percent of nutritional value in concentrated foods, provided that the diet contains fodder of animal origin, such as skimmed milk, buttermilk, meat flour, dried blood flour, and meat-bone flour.--O.I. Myrskova

Card : 1/1

48

USSR / Farm Animals. Swine

Q

Abs Jour: Ref Zhur-Biol., No 5, 1958, 21477

Author : Chuchko G. P.

Inst :

Title : The Effect of Crossbreeding upon the Increase of the Productiveness of Mangalitza Swine ( Skreshchivaniye kak faktor povysheniya produktivnosti mangelitskikh sviney)

Orig Pub: Nauchn. zap. Khersonsk. s.-kh. in-t, 1957, vyp. 6, 189-216

Abstract: Experiments in crossbreeding the Mangalitza swine and the Ukrainian White Steepe breed were conducted at the Educational Experimental Farm No 2 of the Kherson Institute of Farming. The hybrid boars and sows of the first generation of the fat type developed well and showed in the second month of life an average live

Card 1/3

29

USSR / Farm Animals. Swine

"APPROVED FOR RELEASE: 06/12/2000 CIA-RDP86-00513R000509020008-7"

Abs Jour: Ref Zhur-Biol., No 5, 1958, 21477

Abstract: weight of 15.98 and 14.85 kg.; in the fourth month, they weighed 47.5 and 34.5 kg. respectively; in the sixth month 71.0 and 63.25 kg.; in the twelfth month 178.0 and 161.4 kg. The adult hybrid sows of the first generation had an average weight of 230 kg.; their first farrowing attained a fertility of 8.2 pigs, and the milk yield was 47.8 kg.; the second and subsequent farrowings produced indexes of 9.69 for fertility and 64.7 for milkiness, respectively. In the recrossing of hybrids with a boar of the Ukrainian White Steepe breed, the fertility of the cross-breeds was 10.4 pigs. The hybrids of the second generation developed in recrossing with the Mangalitza breed at the age of 6 months attained: boars 63.0 kg., sows 57.4 kg., and in the 12th month, 146.3 and 128.3 kg. respectively. The adult sows of this type had an

Card 2/3

CHUGHKO, G.<sup>P</sup> professor; MOBOZOVA, A., zootekhnik.

Using corn for efficient fattening of hogs. Mas. ind. SSSR 28  
42-44 '57. (MIRA 10:6)  
(Swine--Feeding and feeding stuffs) (Corn (Maize))

CHUCHKO, N.I.

USSR/ Agriculture

Card 1/1      Pub. 123 - 3/12

Authors      : Kirnos, G. and Chuchko, N.

Title         : Experiment with T. S. Mal'tsov method of treating soil

Periodical   : Vest. AN Kaz. SSR 6/123, 25-34, June 1955

Abstract     : Experiments were conducted with the T. S. Mal'tsev method of treating soil. The test method is described and the results are presented. Tables.

Institution : .....

Submitted   : .....

CHUCHKO, N. I., and KIRNOS, G. V.

"Questions in Connection with the Reclamation of Virgin and Fallow Lands in the Kustanay Region," *Agrobiologiya*, No. 3, pp 15-24, 1955

Karabalyk Syaye Plant-Breeding Station

Translation 2030158

CHUCHKO, S.G.; ROMANOV, K.Ya.

Increasing the productivity of a staggered 350 rolling mill  
train. Metallurg 8 no.1:24-27 Ja '63. (MIRA 16:1)

1. Nachal'nik shakhmatnogo stana No.350 Makeyevskogo metallurgi-  
cheskogo zavoda (for Chuchko). 2. Starshiy master shakhmatnogo  
stana No. 350 Makeyevskogo metallurgicheskogo zavoda (for  
Romanov).

(Rolling mills)

ЧУЧКОВ, Ч. [Chuchkov, Kh.]

Afferent innervation of the palatine tonsils in man. Doklady BAK 15  
no.4:459-462 '62.

1. Vorgelegt von D. Kadanoff [Kadanov, D.] korr. Mitglied.

\*

ANGELOV, G.; CHUCHKOV, Kh.

On pancreatic ducts. Nauch. tr. vissh. med. inst. Sofia 42  
no.1:49-60 '63.

1. Predstavena ot prof. d-r D. Kadanov.  
(PANCREATIC DUCTS) (ANATOMY)



СЛУЖБА, IV.

(18) (17) (35)

- 1. Sofia, Veterinarna zhurnal, vol 59, No 3, 1962  
"Professor Petar KINSEV, Report to the Fourth Regular National Assembly (Kirovsko submandat)," encl. number p. 2.
- 2. "How We Reduced Disease and Mortality in Chickens to a Minimum," Dr. Zhenko RAYOV, Chief Veterinarian at the State Farm (UZP) "Dimitrovo" (Kraevtsiok), in the State Farm (UZP) "Sofiya," encl. number (overseas) in of a printing form (p. 128-129); pp. 2-4.
- 3. "Virus Absorption and Virus Penetration in Sheep and the Problem of Identification," Dr. Dinko GERTZANOV (not otherwise identified); pp. 3-8.
- 4. "Contribution to the Identification of the Agent of Virus Pneumonia in Hogs in Bulgaria," Dr. GERTZANOV, Dr. VASILEV, Dr. STOYANOV, Dr. KRALIVICH, and Dr. IVANOV (not otherwise identified); pp. 3-7.
- 5. "The Biological Basis of the Treatment of Coccidiosis," Zhenko RAYOV (not identified); pp. 10-12.
- 6. "Separate Creation as a Means of Fighting Against Parasitic Diseases and as a Source of a Selection in Lamb Breeding," Lilyana STOYANOVA, Candidate in Veterinary Science, and YAKIM YURCHENKOV, Senior Assistant at the "Vseshtatsno Zool. Judo" (not identified) of the Faculty of Agriculture (K.M. Khristovo in Zvezdelovo); pp. 12-14.
- 7. "Investigating the Speed of Erythrocyte Sedimentation in Saiting cows and calves with Pneumonia (50 cases) (antibiotic) Hecopolites," Dr. KRALIVICH, senior veterinarian at the Kozhikoz (not identified); pp. 15-17.
- 8. "Cattle Poisoning with Sugarose and with Sugar Beets Used for Fodder," Dozhenko STOYANOV (not identified) (not identified); pp. 17-19.
- 9. "Cases of Ergot-oxide and Various Fungal Poisoning among Cows, Dr. Petar KINSEV of the Veterinary Hospital (Veterinarna laboratoriya) in Kirovsko; pp. 20-22.
- 10. "Cases of Hydrogen Cyanide Poisoning in Cows Fed with Sorghum Silage," Zhenko RAYOV (not identified) in Kirovsko, and Y. GERTZANOV, Chief

(P)

- 11. "Kasg illness among Sheep caused by feeding of 'Kham', Nikola IZBIRSKY, Senior Assistant and V. I. (V. I. IZBIRSKY) Senior Assistant (Khamul'ski); pp 21-22. MALOBYE (not identified), PARDON: pp 21-22.
- 12. "Veterinary sanitary supervision in the Trade Network and Public catering and the Service Animals (Khamul'ski); pp 21-22. MALOBYE (not identified), PARDON: pp 21-22.
- 13. "With consent and preparation then can be fed in (Khamul'ski); pp 25-27. IZBIRSKY (not identified); pp 25-27.

S/130/63/000/001/004/008  
A006/A101

AUTHORS: Chuchko, S. G., Mill Chief, Romanov, K. Ya., Mill Senior Master

TITLE: Increased efficiency of staggered rolling mill 350

PERIODICAL: Metallurg, no. 1, 1963, 24 - 27

TEXT: Staggered rolling mill 350 became operative at the Makeyevka Metallurgical Plant in 1950. During its operation a series of technical improvements were brought about which considerably increased the efficiency of the mill and reduced production costs. The rolling speed on the X and XI stands was increased by replacing the common reductor by two individual drives; the rolling speed increased from 8.5 m/sec to 12 - 15 m/sec. The time gap for supplying the rolled metal from stand X to stand XI was reduced from 7 to 4 sec by mounting before stand XI an irreversible clamping master roll. The drive of the shifting switch before the cooling mill was replaced by a shifting groove so that the time of shifting the rolled metal was reduced three times. Cutting conditions were improved. A considerable increase in the mill efficiency was achieved by changing the shape of grooves 9 - 11, by using roll fixtures and increasing the

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Increased efficiency of staggered rolling mill 350 S/130/63/000/001/004/008  
A006/A101

radius of oval grooves. A reduction of the inclined diameter dimensions to the magnitude of mean wear increased the durability of grooves of the finishing group. Defects in the rolling of channel iron were removed by adding a split groove to stand IV and by reducing the section of shelves and walls on groove V, to prevent overfilling of grooves on stand VI. The production increased from 400 - 430 tons to 630 - 650 tons per shift. There are 5 figures

ASSOCIATION: Makeyevskiy metallurgicheskiy zavod (Makeyevka Metallurgical Plant) ↓

Card 2/2

LANDA, Stanislav; CHUCHLA, Josef

Hydrogenation of oxygenic heterocyclic compounds on tungsten sulfide. Sbor pař vod VSChT Vol.5:35-44 '61 [publ. '62].

1. Katedra syntetických pohonných latek, Vysoká škola chemickotechnologická, Praha.

CHUCHLA S.

"Experiments on the Possibilities of Refrigerating Warm Meat." p. 54,  
(GOSPODARKA MIESNA, Vol. 6, No. 2, Feb. 1954. Warszawa, Poland.)

SO: Monthly List of East European Accessions, (EEAL), LC,  
Vol. 3, No. 12, Dec. 1954, Uncl.

CHUGHLA, S.

Research on the freezing of warm meat. p. 26.  
GOSPODARKA MIESNA, Warszawa, Vol. 7, no. 8, Aug. 1955.

SO: Monthly List of East European Accessions, (EEAL), LC, Vol. 4, no. 10, Oct. 1955,  
Uncl.

POLAND/Chemical Technology - Chemical Products and Their Application. Food Industry

I-28

Abs Jour : Referat Zhur - Khimiya, No 4, 1957, 13824

Author : Pezacki Wincenty, Chuchla Stanislaw  
Title : Scientific Research Institute of Canning, Meat and Refrigeration Industry in Budapest

Orig Pub : Naukowo-badawczy instytut przemyslu konserwowego miesnego i chlodniczego w Budapeszcie. Gospod. micsna, 1955, 7, No 10, 27-28

Abstract : No abstract.

Card 1/1

- 391 -

JADWIGA CHUCHLOWA

POLAND/Chemical Technology. Chemical Products and Their Application, Part 3. - Food Industry.

H

Abs Jour: Referat. Zhurnal Khimiya, No 21, 1958, 72309.

Author : Jadwiga Chuchlowa.  
Inst : "Inst. przem. mleczarsk.".....  
Title : Suitability of Packing of Various Description for Packing Tablets of Dried Milk Mixed with Coffee and Cocoa.

Orig Pub: Prace Inst. przem. mleczarsk., 1958, 5, No 1, 37-56.

Abstract: Changes in the quality of dried milk tablets and of tablets of dried milk mixed with coffee and cocoa packed in cellophane, igelite, ordinary and impregnated aluminum foil, as well as in glass and cans during storage at about 37° and at 15 to 20° were

Card : 1/2

CHUCHMAN T.N.

137-58-6-13291

Translation from: Referativnyy zhurnal, Metallurgiya, 1958, Nr 6, p 304 (USSR)

AUTHORS: Davidenkov, N. N., Chuchman, T. N.

TITLE: Survey of Modern Theories on Cold Brittleness (Obzor sovremennykh teoriy khladnolomkosti)

PERIODICAL: V sb.: Issled. po zharoprochn. splavam. Vol 2. Moscow, AN SSSR, 1957, pp 9-33

ABSTRACT: The temperature variation of the yield point, the effect of the temperature on the slipping of crystals, the connection between brittle strength and twinning, and the effect of impurities on cold brittleness are examined. Bibliography: 58 references.

1. Metals--Mechanical properties  
perature factors

2. Metals--Tem-

V. N.

Card 1/1

DAVIDENKOV, N.N.; CHUCHMAN, T.N.

Twinning and cold brittleness. Zhur. tekhn. fiz. 28 no.11:2502-2513  
N '58. (MIRA 12:1)

(Metals--Brittleness)

СРЕДНЕМАШИНЫ, Л.В.

P. 2

PHASE I BOOK EXPLOITATION

SOV/3416

Akademiya nauk SSSR. Institut mashinovedeniya

Voprosy prochnosti materialov i konstruksiy (Problems of Strength of Materials and Structures) Moscow, 1959. 399 p. Errata slip inserted. 3,200 copies printed.

Resp. Ed.: D. N. Reshetov, Professor, Doctor of Technical Sciences;  
Ed. of Publishing House: G. B. Gorshkov; Tech. Ed.: S. T. Shikin.

**PURPOSE:** This book is intended for engineers and scientists concerned with the problems of the strength of materials and construction.

**COVERAGE:** The book contains 28 articles on the strength of materials in general and of machine construction in particular. This collection was prepared under the direction of the Institute of Mechanical Engineering of the AS USSR in honor of Sergey Vladimirovich Serensen, one of the founders and directors of the national school of strength of materials, who recently completed 30 years of scientific activity. The preface gives a short sketch of his life and professional activities. The collection is divided into two parts. The first part contains 13 articles on general problems of strength and the strength of machine construction materials.

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Problems of Strength (Cont.)

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The second part contains 15 articles on dynamics and calculation of strength and rigidity. There are references at the end of each article;

TABLE OF CONTENTS:

Part I. GENERAL PROBLEMS OF STRENGTH AND THE STRENGTH OF MACHINE-BUILDING MATERIALS

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Card 2/6

DAVIDENKOV, N.N.; CHUCHMAN, T.N.

Effect of temperature on metal compression diagrams. Fiz.  
met. i metalloved. 9 no.5:741-750 My '60. (MIRA 14:4)

1. Fiziko-tekhnicheskiy institut AN SSSR.  
(Metals, Effect of temperature on)  
(Deformations (Mechanics))

ANDRIYEVSKIY, A.I.; ANTANOVICH, A.V.; BOGATYREV, N.A.; GLUSHCHENKO, I.P.;  
GUBENKO, T.P.; ZAMORA, Ye.F.; KARANDYEV, K.B.; LUKIN, V.I.; LUKIN,  
N.I.; MAKSIMOVICH, N.G.; MOZER, V.F.; PETRENKO, S.I.; PAPERNYI, Ye.A.;  
PRIVALOVA, K.A.; SITNITSKIY, Yu.I.; STASIKOV, Ya.T.; SHCHEPANKOVICH,  
B.P.; CHUCHMAN, T.S.; YAGELLO, I.M.; BRILINSKIY, B.M. i dr.

G.E. Krushel'; obituary. *Izv.vys.ucheb.sav.*; energ. no.10:147

0 '58.

(MIRA 11:12)

(Krushel', Georgii Evgen'evich, 1912-1958)

L 9629-66

EWT(1)/ENA(h)/ETC(m)

WW

ACC NR: AP6000038

SOURCE CODE: UR/0115/65/000/010/0061/0062

AUTHOR: Brailov, E. S.; Brodin, I. S.; Sifnitskiy, Yu. I.; Chuchman, T. S.

ORG: None

TITLE: Improving the accuracy of a gas rotation meter

SOURCE: Izmeritel'naya tekhnika, no. 10, 1965, 61-62

TOPIC TAGS: gas flow, flow meter, measuring instrument, error

ABSTRACT: One of the main disadvantages<sup>25</sup> of gas rotation meters, especially in research applications, is the considerable error ( $\pm 2\%$ ) of industrially manufactured devices. The authors present the results of a study which is directed toward the improvement of the accuracy of such meters. The main cause of error is the overflow of gas through gaps between the moving rotors and the walls of the housing, depending on the pressure drop at the meter. The latter, in turn, depends on the flow rate. Hence, a mode of operation in which the pressure drop at the meter equals zero should eliminate or substantially reduce the error. In order to achieve this the rotors should be powered not by the energy obtained from the gas being measured, but from an external source. With this purpose, the authors designed and tested an automatic system which maintains zero pressure drop in a gas rotation meter (Fig. 1). Tests show that, in spite of large inertia of the rotors of a (RS-400) gas meter, the transfer process in the system does not exceed 30 sec. The work was per-

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53  
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UDC 681.122

L 9629-66

ACC NR: AP6000038

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formed by L'vov Polytechnic Institute (L'vovskiy politekhnicheskiy institut) on orders from Ivano-Frankovskiy Instrument Building Plant (Ivanc-Franskovskiy priborostroitel'nyy zavod).  
Orig. art. has: 2 figures.

(FD - ferrodynamic sensor; M - master; EA - electronic amplifier; RM - reversing motor; S - selsyn; MA - magnetic amplifier; AL - armature loop of d-c motor; DYA - dynamoelectric amplifier)

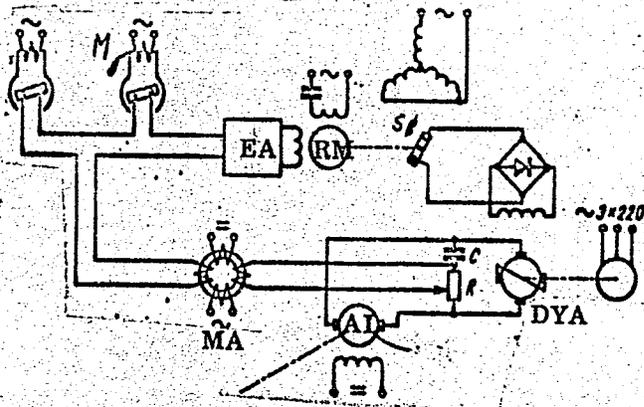


Fig. 1 - Automatic system for maintaining zero pressure drop.

SUB CODE: 14 / SUBM DATE: none

Card

2/2

CHUGHMAR', N.

Improvement for a spray dryer. Mas. ind. SSSR 29 no. 3:47-48 '58.  
(MIRA 1116)

1. Poltavskiy myasokombinat.  
(Drying apparatus--Food)

CHUCHMAREV, S. K.

Morozov, A. N. and Chuchmarev, S. K. - "The equilibrium between hydrogen and oxygen in melted iron," Sbornik nauch.-tehn. rabot (Vsesoyuz. nauch. inzh.-tehn. o-vo metallurgov, Leningr. otd-niye), Issue 1, 1949, p. 32-39, - Bibliog: 5 items

SO: U-5240, 17, Dec. 53, (Letopis 'Zhurnal 'nykh Statey, No. 25, 1949).

J. of the Inst. of Metals  
Feb. 1964  
Properties of Metals

Interfacial Tension at the Boundary of Liquid Immiscible Metals. P. V. Gel'd and S. K. Chudlinarov (*Doklady Akad. Nauk S.S.S.R.*, 1952, 83, (9), 877-880). [In Russian].

Danilov and Pomogaibo (*ibid.*, 1940, 68, 843; *M.A.*, 18, 107) and D. and Kamonotskaya (*Problemy metallovedeniya i fiziki metallor*, 1951, 2, 3) estimated the surface energy ( $\sigma_{1,2}$ ) at the interface solid metal/molten metal indirectly from the kinetics of crystal. and showed that for similar systems  $\sigma_{1,2}$  is very small (e.g. ~1-2 erg/cm.<sup>2</sup> for alkali metals), i.e.  $\sigma_{solid} \approx \sigma_{liquid}$ . G. and Ch. have determined  $\sigma_{1,2}$  at the interface molten Pb/molten Zn (more precisely their mutually saturated soln.), this system being chosen because of its technological importance, the low m.p. of the components, and their comparatively small mutual solubility at low temp. The sessile-drop method was used, but because of the comparatively small difference in  $d$  of the two metals, attempts to photograph the drop under molten Zn by use of X-rays were unsuccessful, so measurements were made on the solid system, by the method used by Leont'eva (*ibid.*, 1945, 50, 323; *Zhur. Fiz. Khim.*, 1945, 19, 388; *Kolloid. Zhur.*, 1949, 11, 176) for metal/silicate systems. The abs. accuracy was ~10%. Zn (previously saturated with Pb) was melted in a crucible with a flat bottom having a central depression. A small piece of Pb was rapidly introduced, so that it melted, and collected at the centre of the crucible bottom. On slow cooling, first the Zn and then the Pb solidified. The specimen was sectioned through the axis of the drop and photographed; the profile of the Pb drop was magnified 8-10 times and its parameters determined. Frequently, the Pb was melted out at ~350° C. and the hole photographed. The data obtained related to the m.p. of the Zn eutectic (~418° C.).  $\sigma_{1,2}$  was calculated by the formula:  $\sigma_{1,2} = 0.5(\rho_{Pb} - \rho_{Zn})gd^2$  erg/cm.<sup>2</sup>, where  $h$  is the height of the drop, and  $\rho_{Pb}$ ,  $\rho_{Zn}$  the  $d$  of Pb and Zn. The contact angle ( $\theta$ ) was also determined by photography. Values of  $\theta$  obtained using a magnetite crucible and drops of Pb, Pb + 0.15% Na, Pb + 0.30% Na, and Pb + 0.7% Na, resp., with the following upper layers were: Zn, saturated with Pb, 40°, 55°, 75°, 150°; Zn, 65°, 65°, 180°; Zn + 0.08% Na, 70°, 120°, 165°, 180°; Zn, saturated with Pb, +0.08% Na, 120°.

135°, —, 180°; Zn saturated with Pb, + 0.1% Na, 160°, 135°, 180°, 180°; Zn saturated with Pb, + 0.2% Na, 160°, 180°, 180°, 180°. Values of  $\sigma$  (erg/cm.<sup>2</sup>) with this crucible were: Pb/Zn saturated with Pb, 128; Pb-0.15% Na/Zn saturated with Pb, 85; Pb-0.30% Na/Zn saturated with Pb, 82; Pb/Zn, 109; Pb-0.15% Na/Zn, 53; Pb/Zn-0.05% Na, 07. Corresponding values for  $\theta$  and  $\sigma$  obtained with a graphite crucible are also given; and in general are similar. Thus values for Pb/Zn saturated with Pb are the same as in magnesite, but for Pb/Zn on graphite  $\sigma = 112$  (cf. 109) and  $\theta = 45^\circ$  (cf. 65°). The reason for the reduction in  $\sigma_{Zn/Pb}$  is not clear, but the difference is within the limit of accuracy. Comparison of the results with the data for the pure metals ( $\sigma_{Zn} = 743$ ;  $\sigma_{Pb} = 452$ ) shows that the additive law is not obeyed, i.e.,  $\sigma_{Zn} - \sigma_{Pb} > \sigma_{Zn/Pb}$ . Evidently the observed data do not refer to the pure metals, and the solubility of Pb in Zn sharply reduces its surface tension; the generalized moment of Pb,  $m_{Pb}$  (cf. Somenchenko, *Zhur. Fiz. Khim.*, 1932, 3, 285),  $< m_{Zn}$ . This is evident from the latent heats of vaporization of the pure metals ( $L_{Zn} > L_{Pb}$ ), their surface tensions ( $\sigma_{Zn} > \sigma_{Pb}$ ), &c. Since values of  $m$  for the alkali metals (judging by  $L$  and  $\sigma$ )  $< m_{Zn}$  and  $m_{Pb}$ , they should be capillary-active at the Zn/Pb boundary, as they are with Hg (cf. D. and K., *loc. cit.*; Pugachevich, *ibid.*, 1951, 25, 1365) and Sn (Pokrovsky and Galanina, *ibid.*, 1948, 23, 324). Also the alkali metals form intermetallic compounds of low  $m$  with Pb, but are immiscible with Zn. They and their compounds with Pb should therefore accumulate at the interface. The sharp fall in  $\sigma$  and increase in  $\theta$  on adding 0.05% Na to the Pb or Zn confirms this. The method used permitted detn. of  $\sigma$ , only for  $\theta < 90^\circ$ , i.e. only for small adm. of Na. Adm. of K were rather less effective than those of Na (possible owing to smaller solubility in the metals), but were also surface-active. In a system contg. Na, enrichment of the Zn with Pb leads to a reduction in  $\theta$  and probably also in  $\sigma_{Zn/Pb}$ : thus, in melting Pb-0.2% Na under Zn by stages, in 4 successive meltings  $\theta$  was 142° (pure Zn), 120°, 90°, and 72°.—G. V. E. T. 878